ment of the present invention. In FIG. **1**, the fold-type portable data terminal **1** includes CPU **11**, first sensor **12**, second sensor **13**, swivel sensor **14**, operation section **15**, function history storage section **16**, LCD (Liquid Crystal Display) section **17**, softkey management section **18**, and application section **19**. Illustration of a radio section, a power supply section, etc. which are not directly related to description of the present exemplary embodiment as well as the explanation thereof is omitted in FIG. **1**.

[0040] FIGS. **2** to **5** are perspective views showing each shape (mode) of the fold-type portable data terminal **1** according to the one exemplary embodiment of the present invention. In FIG. **2**, the fold-type portable data terminal has a fold-type housing **20**, has two or more side keys **21** on the side surface of the housing **20**, and has a logo **25** on the front surface. The fold-type housing **20** has the first sensor **12** which detects whether or not the fold-type housing **20** is in a folded position (first closed position). FIG. **3** shows the fold-type housing **20** in an open position where the receiver housing (first housing member) **20***a* is opened from a microphone housing (second housing member) **20***b* by 90 degrees. The receiver housing **20***a* includes on the front surface thereof a second sensor **13** which detects whether or not the fold-type housing **20***a* is in the folded position (second closed position), and a LCD **17**. The first sensor **12** detects that the receiver housing **20***a* is in the first closed position if the receiver housing **30***a* is in a swivel position at a swiveled angle of zero degree, whereas the second sensor **13** detects that the receiver housing **20***a* is in a second closed position, wherein the receiver housing **20***a* is opened with respect to the microphone housing in an angular position of 90 degrees from the first closed position shown in FIG. **2**, swiveled therefrom into a swiveled position at a swivel angle of 180 degrees and again closed to the receiver housing. The microphone housing **20***b* includes on the front surface thereof a keyboard **22**, and includes on the side surface thereof the side keys **21** as described before. The keyboard **22** and side keys **21** configure the operational section **15**. FIG. **4** shows that fold-type housing in the state wherein the receiver housing **20***a* is in the swiveled position at a swivel angle of 180 degrees, whereas FIG. **5** shows the receiver housing **20***a* in a second closed position wherein the receiver housing is closed in the swiveled state at a swivel angle of 180 degrees.

[0041] The CPU **11** manages the overall control of the fold-type portable data terminal **1**, and the first sensor **12** detects the event in which the receiver housing **20***a* is normally opened or closed from/to the microphone housing **20***b* by way of hinge **23**. The second sensor **13** detects the even tin which the receiver housing **20***a* is opened or closed from the 180-degree-swiveled state thereof, whereas the swivel sensor **14** detects that the receiver housing **20***a* is in a swivel state of 0 degree or 180 degrees.

[0042] The operational section **15** executes various types of key operations, and the function history storage section **16** stores therein the history of functions used for each shape. The LCD **17** performs display of a function history menu **24** as well as an ordinary screen image, and the softkey management section **18** manages the functions allocated to the side keys **21** as well as the history menu **24** displayed on the LCD. The application section **19** realizes TV (Television) function, FM (Frequency Modulation) radio function, and Internet browsing function.

[0043] FIG. **6** is a flowchart which shows the processing of detecting the shape change of the fold-type portable data terminal **1** according to the one exemplary embodiment of the present invention, and FIGS. **7** and **8** are charts showing a screen transition on the LCD **17** of FIG. **1**. With reference to those FIGS. **1** to **8**, the storage operation for the function history at each shape of the fold-type portable data terminal **1** according to the one exemplary embodiment of the present invention will be described.

[0044] First, in the fold-type portable data terminal **1**, the CPU **11** judges whether or not the fold-type housing **20** is in the state (the first closed position shown in FIG. **2**), wherein the fold-type housing is closed with the LCD **17** being inner side, based on the result of detection by the first sensor **12** (step S**1** in FIG. **6**), and judges the sate wherein the receiver housing **20***a* is closed in the first closed position with the LCD **17** being inner side as the state of "shape 0" (step S**2** in FIG. **6**).

[0045] When a read function of the current time instant is operated by the side key **21**, for example, in this state of "shape 0", the CPU **11** stores the read function of the current time instant as a function history of "shape 0" in the function history storage section **16**. If the function history is set effective without any condition, the function history is started upon a shift to "shape 0", although the available functions are limited in this case because the LCD **17** cannot be observed in the fold-type portable data terminal **1** of the present embodiment.

[0046] If the receiver housing **20***a* is subsequently opened from the state of shape 0, the fact that the receiver housing **20***a* is opened is transmitted to the CPU **11** by the first sensor **12**. In this case, the CPU **11** judges whether or not the swiveled amount is zero degree based on the result of detection by the swivel sensor **14** (step S**3** in FIG. **6**), and judges the state of "shape 1" if zero degree is recognized (step S**4** in FIG. **6**).

[0047] If the application section **19** transmits a mail, for example, in this state of "shape 1", the CPU **11** stores the mail transmission operation as a function history of the "shape 1" in the function history storage section **16**. It is assumed here that the initial state of each shape has a default priority function, and the default function is replaced by the used function.

[0048] If the receiver housings **20***a* is swiveled by 180 degrees from the above state, the fact that the receiver housings **20***a* is swiveled by 180 degrees is transmitted to the CPU **11** by the swivel sensor **14**. In this case, the CPU **11** judges whether or not a 180-degree swivel has occurred based on the result of detection by the swivel sensor **14** (step S**5** in FIG. **6**), and judges the state of "shape 2" shown in FIG. **4** if a 180-degree swivel has occurred (step S**6** in FIG. **6**).

[0049] If the application section **19** selects a function of photographing by camera in this state of "shape 2", the CPU **11** stores the selection operation of the function of photographing by camera as a function history at "shape 2 in the function history storage section **16**. Here, in the detection operation by the swivel sensor **14** as to the 0-degree or 180-degree state in FIG. **3**, it is possible to detect the 0-degree or 180-degree swivel amount by disposing two lead switchers at different positions, using a magnet located at a left-right asymmetry thereto and adjacent to the swivel sensor **14** of the receiver housing **20***a*, and judging which one of the lead switches is ON.

[0050] Although FIG. **3** does not illustrate the camera section, it may be disposed at the rear side of the microphone housing **20***b* etc. If the receiver housing **20***a* is at a swivel mount of 0 degree upon photographing by camera, a normal mode wherein the scenery or other person is to be photo-